



Agroresursu un  
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# Blue economy in Latvia

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## ***Blue bio-economics (BB)\****

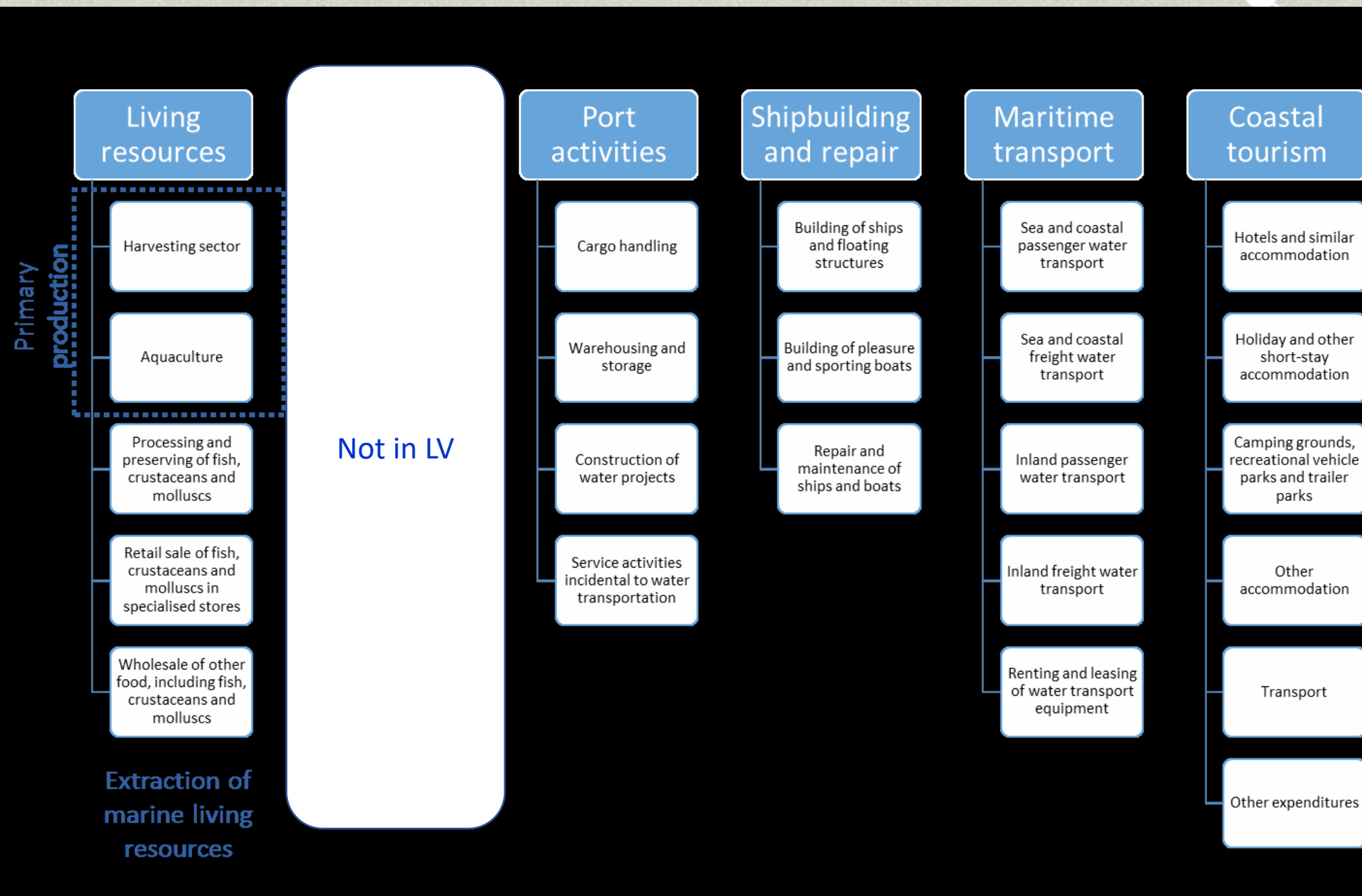
- **Harvesting and new uses of wild aquatic biomass** - the sustainable use of living aquatic resources and their conversion into a wide variety of products and services such as food, feed, bio-based materials and bioenergy.
- **Blue biomass production** - focus mostly on mussels, macroalgae and microalgae ***cultivation in the sea*** (covers commercial cultivation activities in the region).
- **Blue biotechnology** - the application of ***science and technology*** for the production of knowledge, goods and services from marine biological resources
- **Sustainable fish aquaculture** - the **farming** of both **marine and freshwater** fish species in marine, inland freshwater and land-based cultivation systems ***with minimised environmental impacts*** and sustainable feed supply chains

*\*TOWARDS AN IMPLEMENTATION STRATEGY FOR THE SUSTAINABLE BLUE GROWTH AGENDA FOR THE BALTIC SEA REGION, EU, 2017*





# Blue Economy (BE) sectors



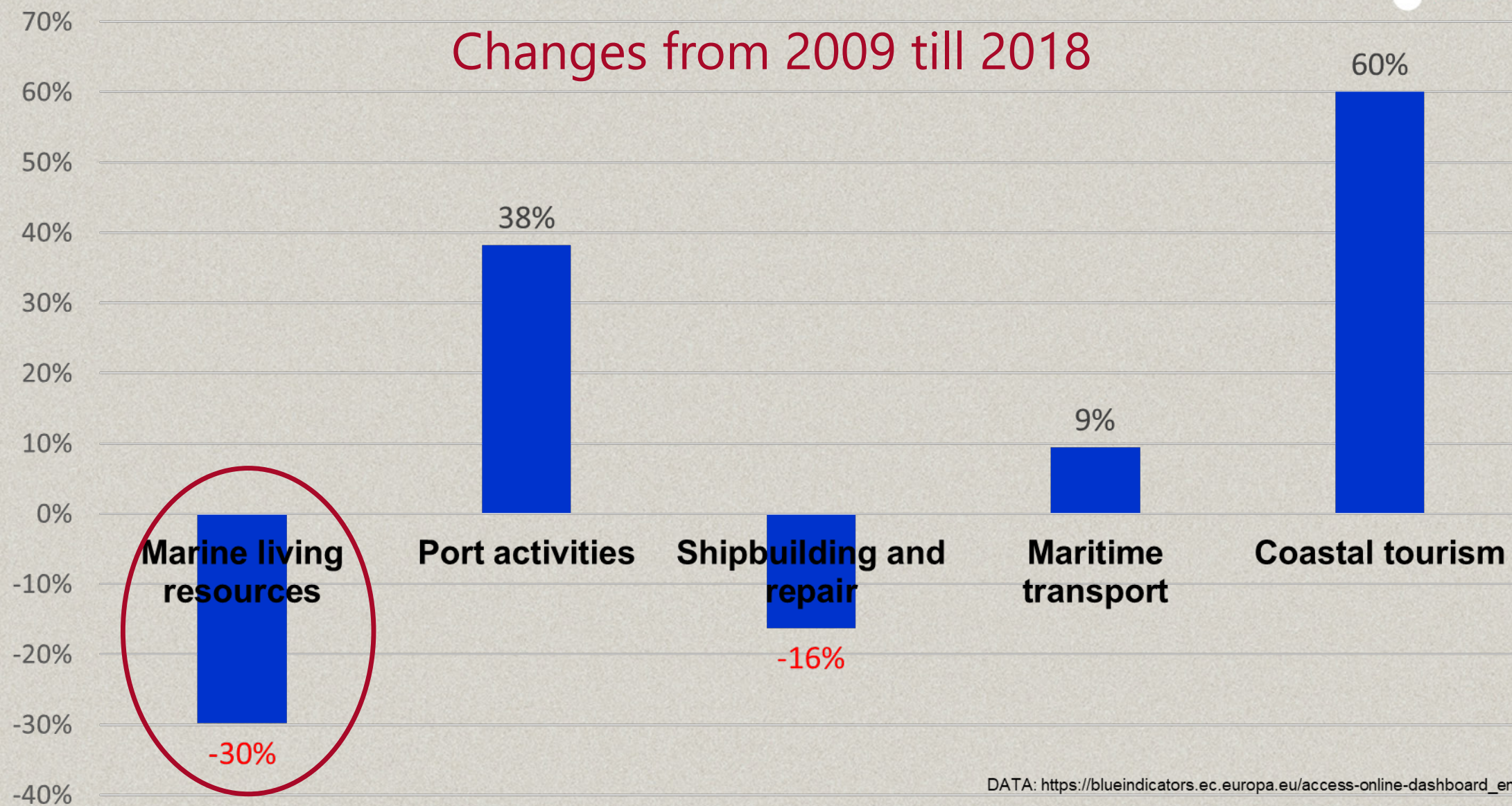




# Changes in employment by BE sectors in Latvia

4

Changes from 2009 till 2018

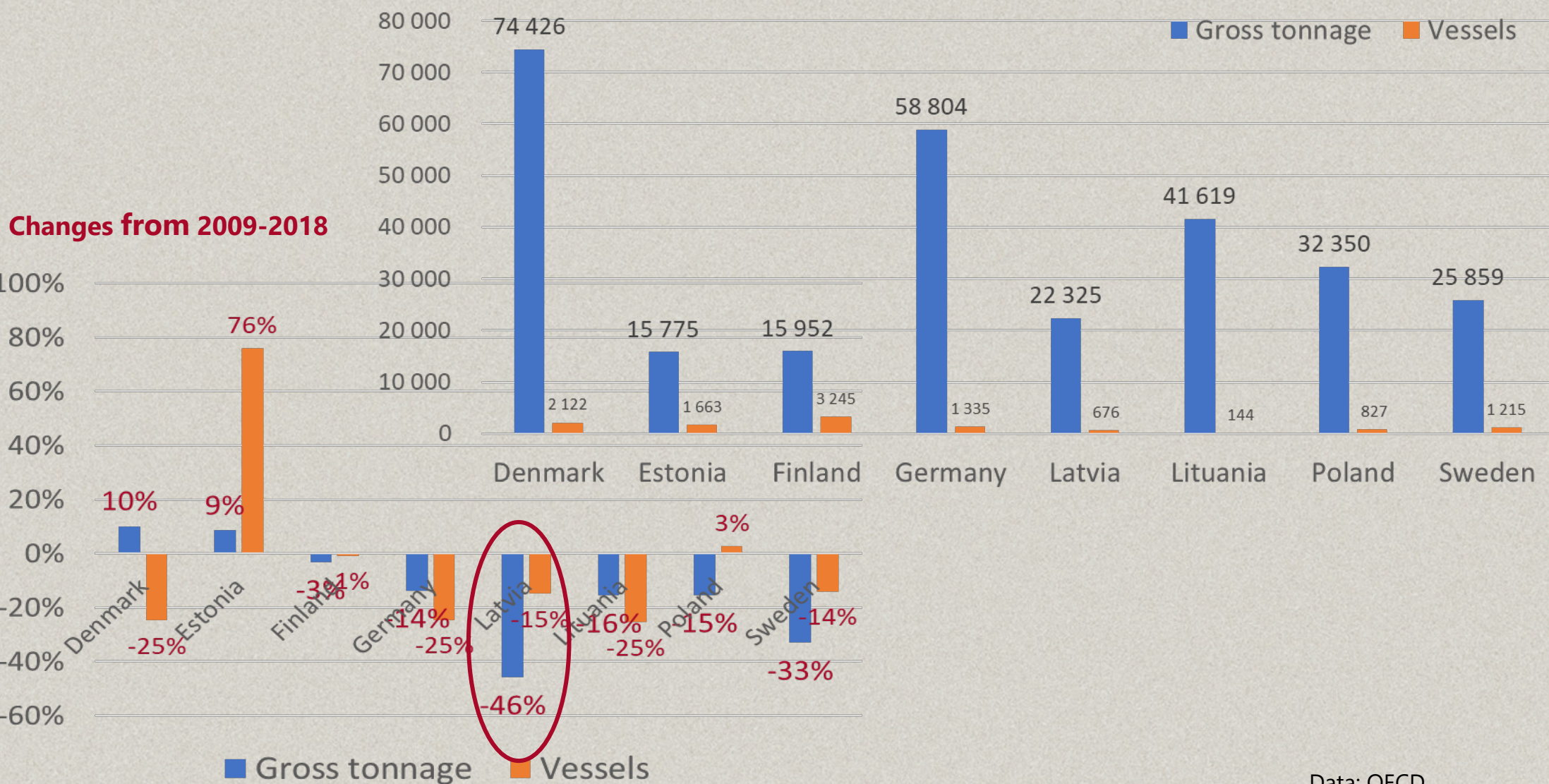






# Gross tonnage and number of vessels (Baltic Sea Countries -BSC)

5







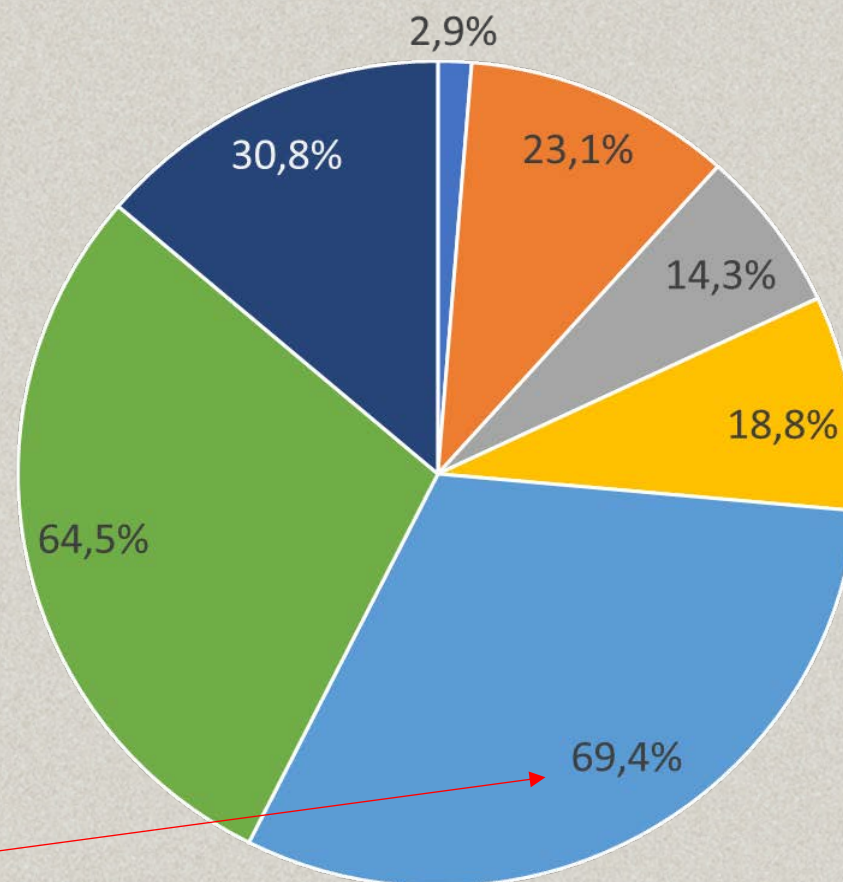
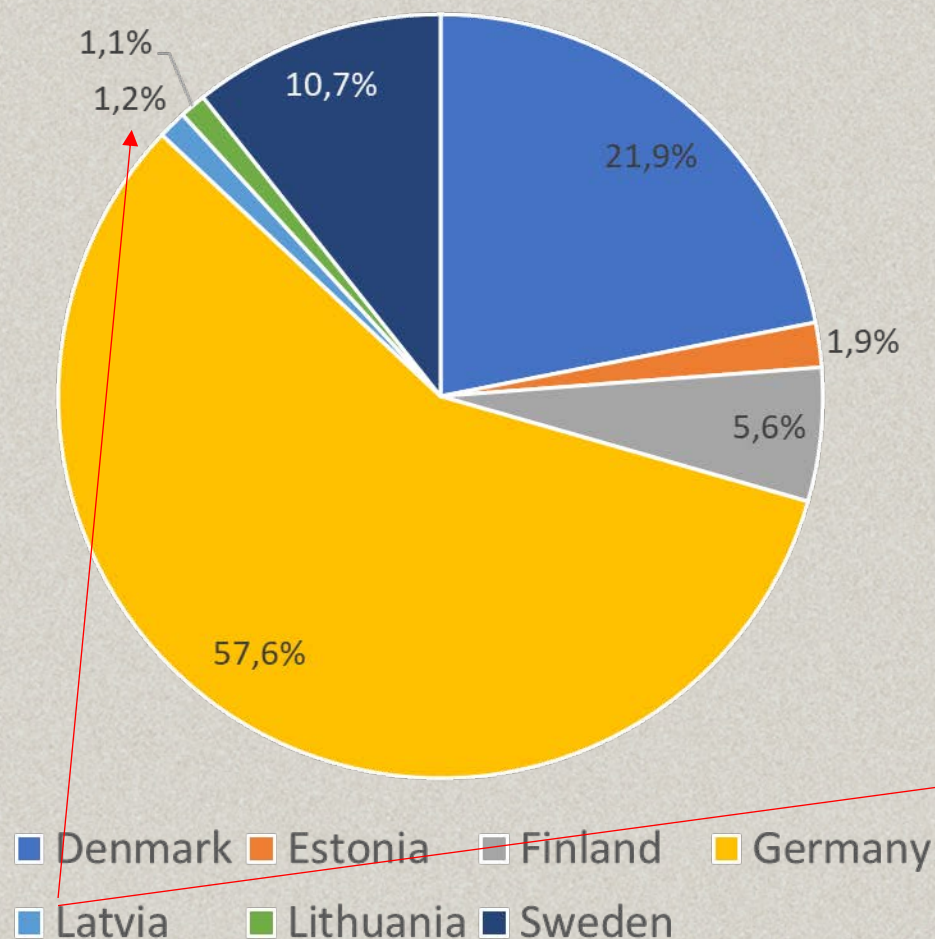
# Employment in all BE sectors

Baltic Sea countries (BSC)

6

Share of the total of employment by BSC (2018)

Changes 2018-2009



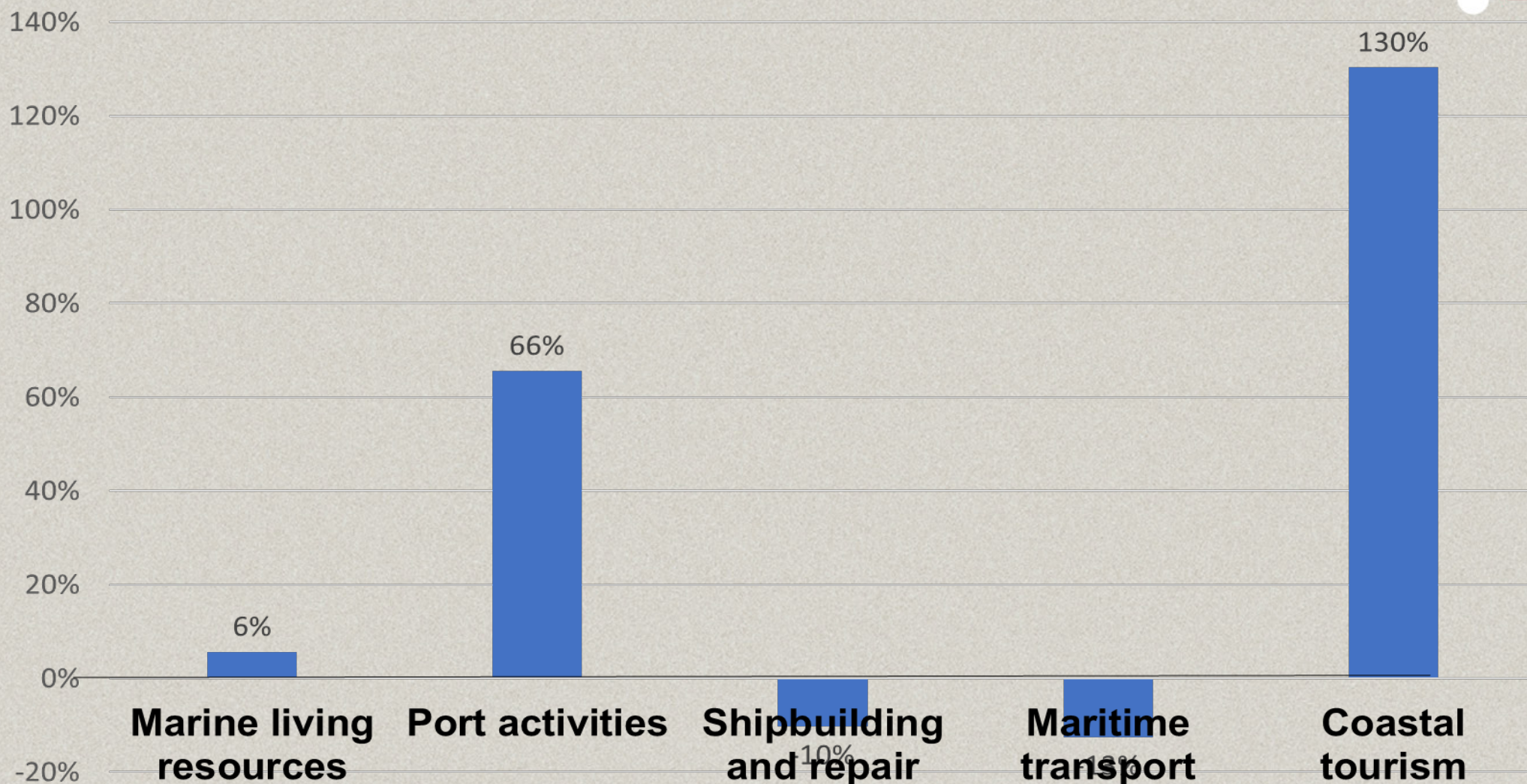




# Changes in GVA by BE sectors in Latvia

Changes from 2009 to 2018

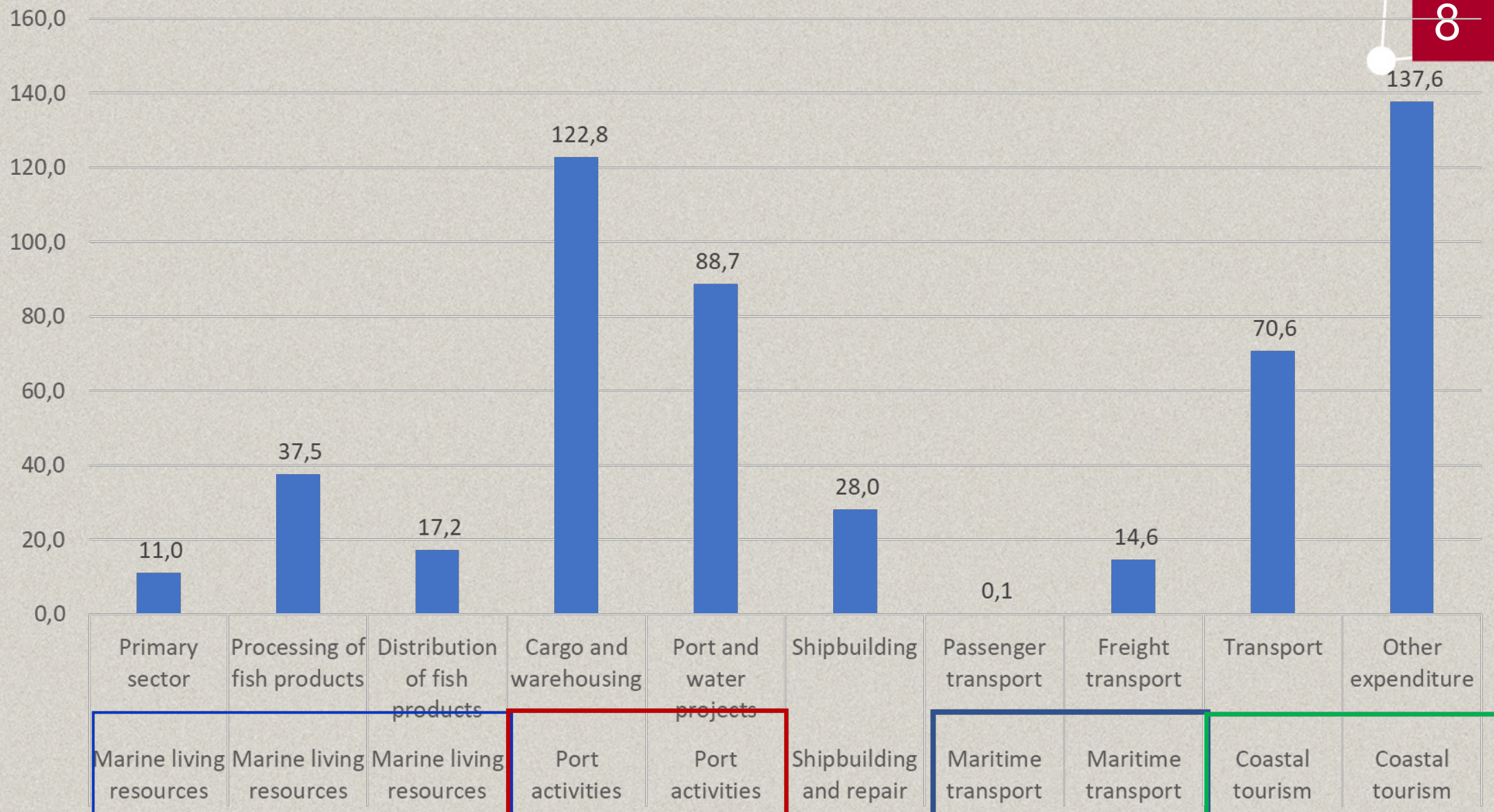
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## GVA by BE sub-sectors in Latvia







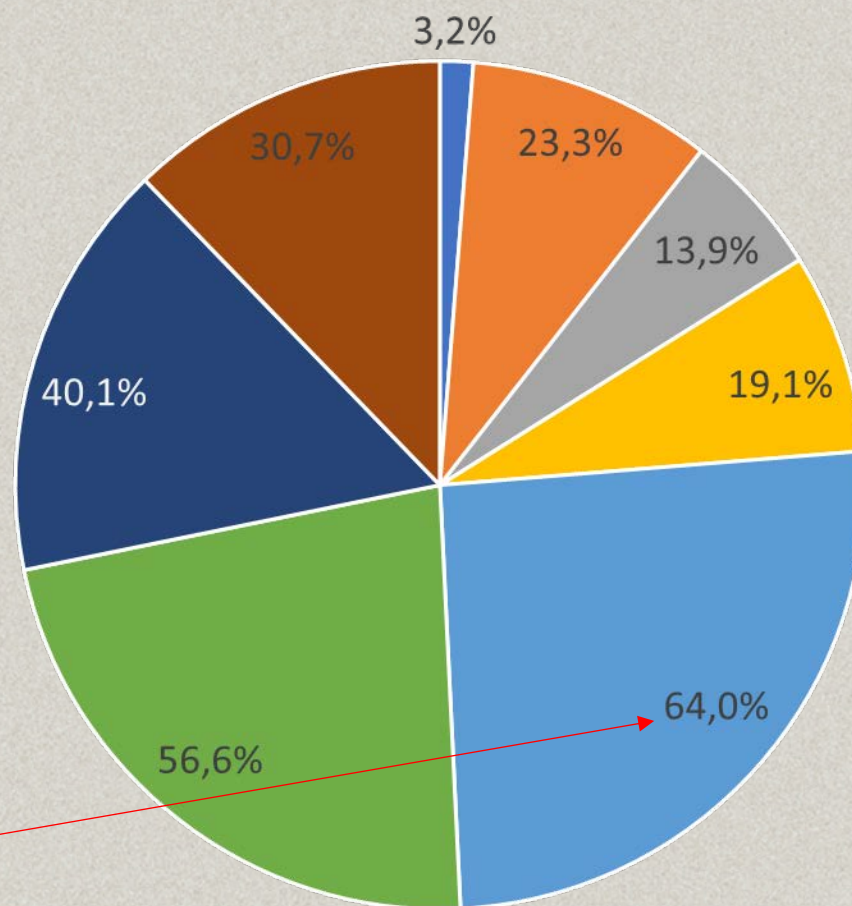
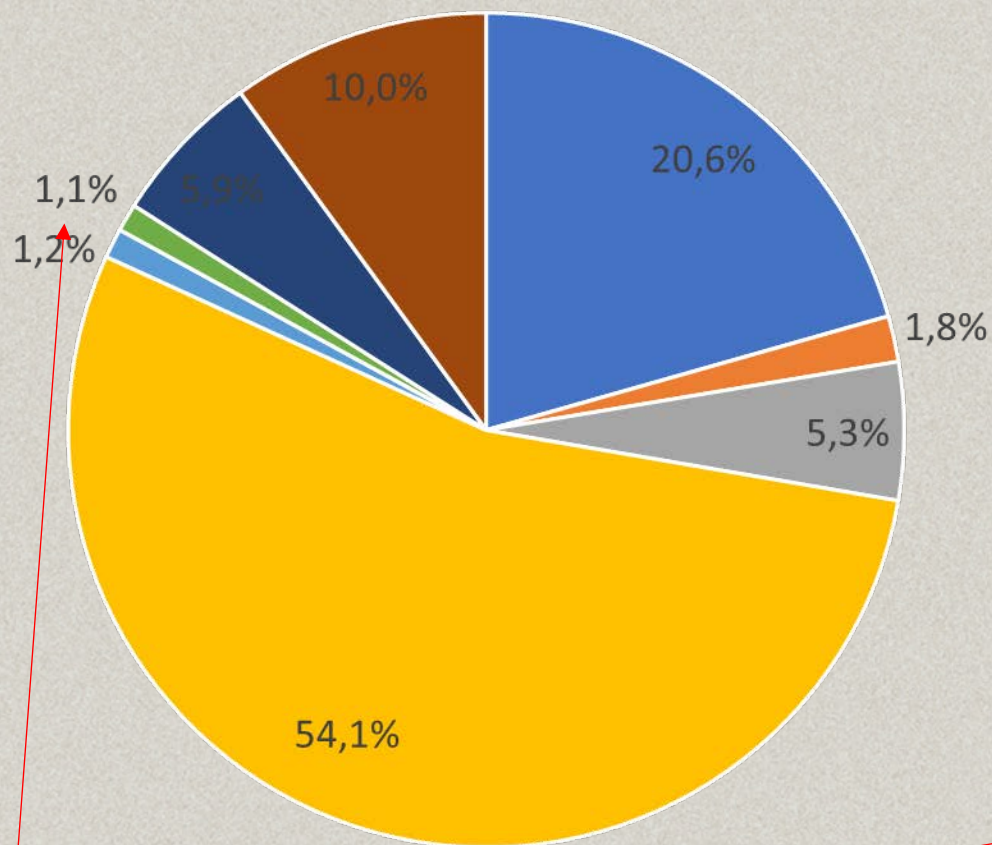
# GVA of all BE sectors

BSC

9

Share of the total of GVA (2018)

Changes from 2009 to 2018



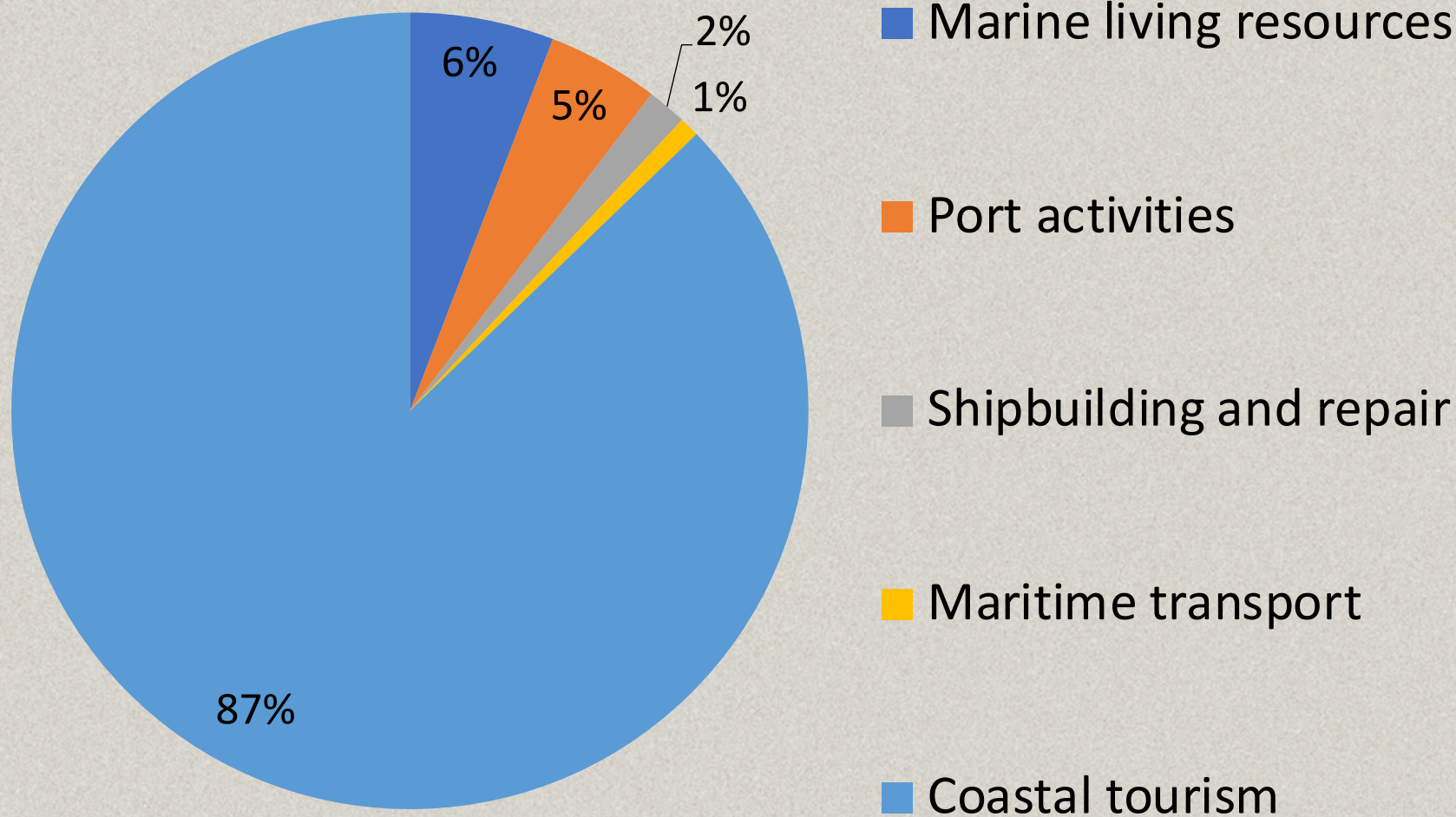
■ Denmark ■ Estonia ■ Finland ■ Germany  
■ Latvia ■ Lithuania ■ Poland ■ Sweden



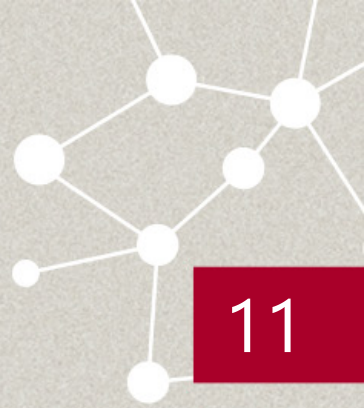


# Share of enterprises by BE sectors in Latvia

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# Marine living resources

- number of enterprises – no big changes (+4%)
- employment – reduced (-19%)
- net sale - increased (+14%)
- GVA of this sector in all BE - ~12%
- GVA per sector enterprise (average) – second smallest (*below the average in BE*)
- **Aquaculture :**
  - *number of enterprises –increased(+57%)*
  - *employment – increased (+27%)*
  - *net sale increased - +200%*
  - *public investments foreseen– 21 million (planning period 2014-2020)*

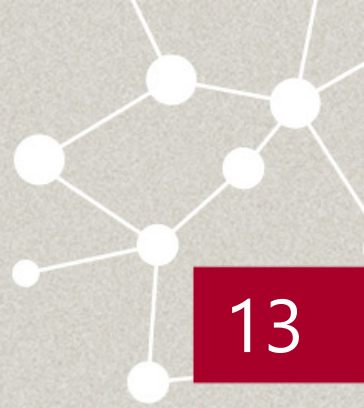




## Port activities

- number of enterprises – increased (+72%)
- employment – increased (+27%)
- net sale - increased (+27%)
- GVA of this sector in all BE - biggest (39%)
  - ✓ *Service activities incidental to water transportation*
  - ✓ *Warehousing and storage*
- GVA per sector enterprise (average) – largest in BE





# Shipbuilding and repair

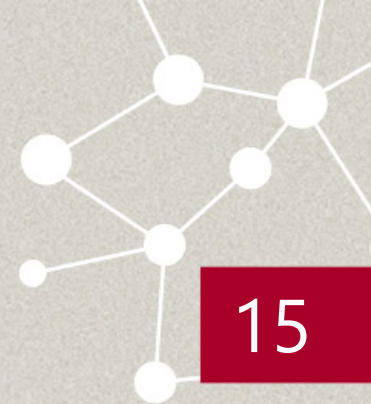
- number of enterprises – increased (+25%)
- employment reduced – increased (+6%)
- net sale:
  - *Building of pleasure and sporting boats –increased (+530%)*
  - *Repair and maintenance of ships and boats –decreased (-10%)*
- GVA of this sector in all BE - (6%)
- GVA per sector enterprise (average) – medium in BE



# Maritime transport

- number of enterprises – increased (+20%)
- employment – increased (+18%)
- net sale - increased (+98%)
  - *Sea and coastal freight water transport* - +94%
  - *Inland passenger water transport* - +67%
  - *Inland freight water transport* - +816%
  - *Renting and leasing water transport* – +8%
- GVA of this sector in all BE - (4%)
- GVA per sector enterprise (average) – second biggest in BE





# Coastal tourism

- number of enterprises – increased (+30%)
- employment reduced – increased (+60%)
- net sale - increased
  - Accommodation - (+116%)
  - Other expenditures – (+ 44%)
- GVA of this sector in all BE – second biggest (38%)
- GVA per sector enterprise (average) – smallest in BE



# Conclusions

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*Port activities* and *Coastal tourism* are the most growing BE sectors in Latvia

➤ *Port activities* - *developing of Service activities incidental to water transportation*

➤ *Coastal tourism* - *developing Other expenditure and transport, not accommodation*

➤ *Marine living resources* –

- *Fishing*: ship cutting has reduced the capacity of the Latvian fleet
- *Aquaculture* :
  - ✓ sales volume not growing so fast as it should
  - ✓ ponds water temperature is a problem (not warm or cool enough)
  - ✓ recirculation systems are very expensive and the most often grown species is sturgeon

✓ *Shipbuilding and repair*

- ✓ *Developing Building of pleasure and sporting boats, but Building of ships and floating structures decreases*

✓ *Maritime transport*

- ✓ *Inland freight water transport develops, but Sea and coastal passenger water transport does not*

Two sectors of BE are not developed in LV:

*Marine non-living resources* and *Marine renewable energy*





Thank you for attention!

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